

What is claimed is:

1. A method for accessing the Internet using an Internet TV in an Internet TV system comprising the Internet TV, in which a function of accessing the Internet and a function of receiving TV broadcast are combined with each other and a server for operating a portal site for providing various information items (a portal server) to the Internet TV, the method comprising the steps of:

transmitting a message for requesting the authentication of the use of information to the portal server;

requesting the Internet TV to input an authentication number;

transmitting the requested authentication number to the portal server; and

checking the transmitted authentication number, to thus provide information to the Internet TV.

2. A method for accessing the Internet using an Internet TV, comprising the steps of:

(a) transmitting a message for requesting authentication of the use of information to a portal server, to thus be requested by the portal server to transmit an authentication number when the Internet TV is turned on;

(b) determining whether the state of the Internet TV is default;

(c) determining whether the authentication number requested by the portal server exists and transmitting the corresponding authentication number to the portal server when the requested authentication number exists; and

(d) receiving information from the portal server.

3. The method of claim 2, further comprising the steps of:
requesting the portal server to search the authentication number when the Internet TV is in the default state;
inputting user information requested by the portal server; and
5 receiving the requested authentication number and storing the received authentication number in a memory.

4. The method of claim 2, further comprising the steps of:
requesting the portal server to provide a new authentication number with
10 respect to the use of information when the requested authentication number does not exist as the result of determining whether the authentication number requested by the portal service exists;
registering a user in accordance with the user registration form requested by the portal server; and
15 receiving the new authentication number requested by the portal server and storing the authentication number in the memory.

5. The method of claim 2, wherein the step (d) comprises the steps of:
20 (d1) receiving the result of examining the authentication number, which is transmitted from the portal server; and
(d2) receiving information from the portal server when it is determined from the received examination result that the authentication number is a normal authentication number.

6. The method of claim 5, further comprising the steps of:

inputting the user information requested by the portal server when it is determined from the received examination result that the authentication number is not the normal authentication number; and

5 receiving the authentication number transmitted from the portal server and storing the received number in the memory.

7. A method for accessing the Internet using an Internet TV, comprising the steps of:

10 (a) requesting a portal server to input an authentication number when the portal server receives an access request message with respect to the use of information; and

(b) providing information to the Internet TV according to the received message according to the access request message.

8. The method of claim 7, wherein, in the step (a), when a message is not the access request message received from the Internet TV, the portal server is in a stand-by state and waits for the access request message again.

20 9. The method of claim 7, further comprising the steps of:

requesting the Internet TV to input the user information when the received message is for requesting the portal server to search the authentication number; and

determining whether the user is registered in a database when the user
25 information is received as a result of the portal server requesting the Internet TV to

input the user information, to thus transmit the authentication number.

10. The method of claim 9, comprising the steps of:

requesting the Internet TV to input the user information when it is
5 determined that the user is not registered in the database; and
assigning the new authentication number to the Internet TV when the user
information is received as a result of the portal server requesting the Internet TV to
input the user information and transmitting the assigned authentication number.

11. The method of claim 7, further comprising the steps of:

checking the error of the authentication number when the received
message is a requested authentication number;

determining whether the user is registered in the database when the error
is not generated as a result of checking the error of the authentication number;

15 and

providing information to the Internet TV according to whether a user fee is
paid when it is determined that the user is registered in the database.

12. The method of claim 10, wherein the error is checked using a
20 'check sum' method.

13. The method of claim 10, further comprising the steps of:

transmitting an error message when an error is generated in the
authentication number as a result of checking the error of the authentication
25 number;

requesting the Internet TV to input the user information, to thus determine whether the user is registered in the database; and

transmitting the corresponding authentication number when it is determined whether the user is registered in the database.

5

14. The method of claim 10, further comprising the steps of:

requesting the Internet TV to input the user information when it is determined that the user is not registered in the database; and

10 registering the user in the database and providing information to the Internet TV when the user information is received as a result of the portal server requesting the Internet TV to input the user information.

15 15. The method of claim 10, further comprising the step of transmitting a message for informing that the fee is not paid to the Internet TV when the fee is not paid as a result of determining whether the fee is paid.

16. The method of claim 7, further comprising the steps of:

20 requesting the Internet TV to input the user information when the received message is for requesting the portal server to provide the new authentication number; and

registering the user, assigning the new authentication number to the Internet TV, and transmitting the assigned authentication number when the user information is received as a result of the portal server requesting the Internet TV to input the user information